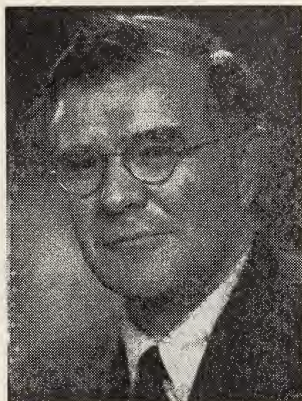
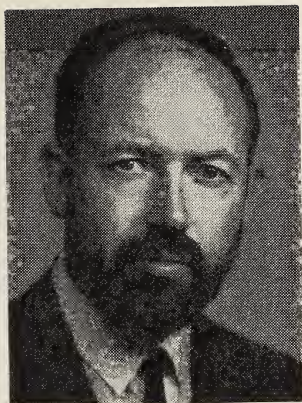
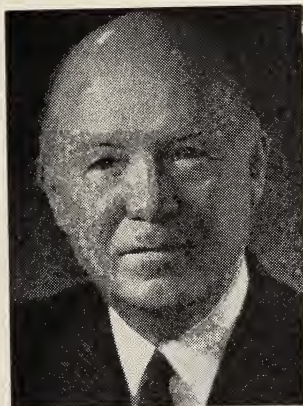
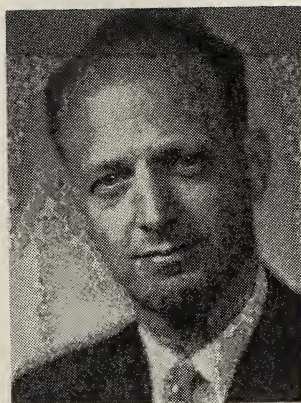




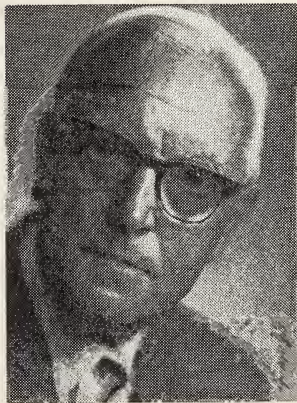
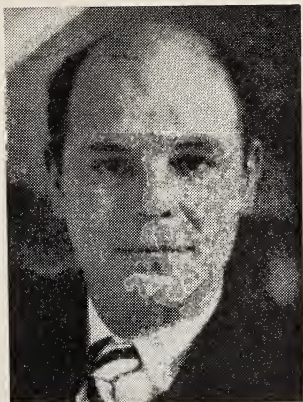
Appointments July 1, 1966

Above: A. D. Allen succeeds V. W. Bladen as Dean of the Faculty of Arts and Science



Left: J. M. Ham succeeds R. R. McLaughlin as Dean of the Faculty of Applied Science and Engineering

Below: Peter Swann succeeds W. E. Swinton as Director of Royal Ontario Museum



DECEMBER 1965

STAFF

bulletin

UNIVERSITY OF TORONTO

DECEMBER EVENTS

1 WEDNESDAY

- Seminar Institute of Computer Science. "Introduction to PL/I". Prof. E. S. Lee. Room 101, McLennan Laboratory. 4 p.m.
- Music Recital by Catherine Palmer, organist. Concert Hall, School of Music. 12.30 to 1 p.m. Free.
- French Films "La Comédie populaire avant Molière" and "Ombres et paysages". Room 104, U.C. 1.10 p.m.
- Colloquium School of Graduate Studies, Department of Psychology. "Some Aspects of Human Short-term Memory". Prof. A. W. Melton, University of Michigan. Room A 2135, Sidney Smith Hall. 4 p.m.

2 THURSDAY

- Lectures The Edgar Stone Lectureship in Drama on "The Nineteenth-Century Theatre" by Dr. Michael Booth, Royal Military College. Second and final lecture: "Melodrama". Hart House Theatre. 4.30 p.m.
- University College Series. "Modern British Literature and Philosophy: a Protest". Prof. S. P. Rosenbaum. West Hall, U.C. 4.30 p.m.
- Faculty of Music Series. "Music in French Canada". Andrée Desautels. Concert Hall, Edward Johnson Building. 2 p.m.
- Seminar Department of Physics. "Recent Research in High Pressure Spectroscopy". Dr. B. Vodar, High Pressure Laboratory of the C.N.R.S., Bellevue, France. Room 135, McLennan Laboratory. 4 p.m.
- Poetry Reading Hart House Art Gallery. Ladies Welcome. 1.15 p.m.

3 FRIDAY

- Athletics Hockey. Montreal at Varsity. Varsity Arena at 8 p.m.

4 SATURDAY

- Lecture Royal Canadian Institute. "Easter Island—A World Away". Dr. Helen Evans Reid, Research Associate, Research Institute, Hospital for Sick Children. Convocation Hall. 8.15 p.m.
- Athletics Water Polo. McGill at Varsity. Hart House. 2 p.m.

5 SUNDAY

- Lecture "Footprints from the Age of Dinosaurs". Free illustrated public lecture by Dr. Gordon Edmund. Museum Theatre. 2.30 p.m.
- Music Concert by University of Toronto Concert Band. MacMillan Theatre, Edward Johnson Building. 3 p.m.
- Ten Centuries Concert. Concert Hall, Edward Johnson Building. 8.55 p.m.
- Hart House Sunday Evening Concert. A Christmas concert by the St. James Cathedral Choir conducted by Norman Hurtle. Great Hall, Hart House. Tickets available from the Hall Porter. Ladies may be invited by members.

6 MONDAY

- Music Organ Recital by Dr. Charles Peaker, assisted by Gail Knochel, soprano. Convocation Hall. 5.05 p.m.
- Colloquium Institute of Computer Science. "A General Convergence Theory for Numerical Solutions to Ordinary Differential Equations". Dr. J. C. Butcher, Stanford University. Room 101, McLennan Laboratory. 4 p.m.

7 TUESDAY

- Lecture Chemical Institute of Canada lecture and dinner meeting. "Quality Control of Pharmaceuticals Under the Food and Drug Act". Dr. L. I. Pugsley, Food and Drug Directorate. Faculty Club. 6.30 p.m.
- French Film "Paul Claudel". Room 104, U.C. 1.10 p.m. Repeated Wednesday.

8 WEDNESDAY

- Music Recital by Warren Mould, pianist. Concert Hall, School of Music. 12.30 to 1 p.m. Free.
- Seminar Institute of Computer Science. "More PL/I". Prof. E. S. Lee. Room 101, McLennan Laboratory. 4 p.m.

9 THURSDAY

- Lecture University College Series. "Plain or Coloured: The Englishing of Persian Poetry". Prof. G. M. Wickens. West Hall, U.C. 4.30 p.m.
- Music Faculty of Music Series. Recital by the Stanley Buetens Lute Trio. (Women's Musical Club.) Eaton Auditorium. 2 p.m.
- Seminar Department of Physics. "Quantum Theory of Optical Coherence". Prof. R. J. Glauber, Harvard University. Room 135, McLennan Laboratory. 4 p.m.
- Poetry Reading Hart House Art Gallery. Ladies Welcome. 1.15 p.m.

10 FRIDAY

- Lecture Faculty of Medicine—Dr. Harry Shields Lecture. “The Lungs as a Black Box”. Prof. John Francis Nunn, Professor of Anaesthesia, University of Leeds. Lecture Theatre, Toronto General Hospital. 4 p.m.
- Supper Faculty Club Buffet Supper. 5.30–8.30 p.m.
- Athletics Hockey. Laval at Varsity. Varsity Arena. 8 p.m.

11 SATURDAY

- Lecture Royal Canadian Institute. “New Excavations in Old Jerusalem—Part II”. Dr. A. D. Tushingham. Convocation Hall. 8.15 p.m.

12 SUNDAY

- Films Special ROM Christmas film program: “The Golden Fish”; “December, Children’s Month”; “The Pumpkin Race”; “The Christmas Cracker”. Museum Theatre. 2 p.m. Free.
- Music Hart House Orchestra Associates. University of Toronto Chorus conducted by Lloyd Bradshaw. “Magnificat in D” by Bach. Tickets \$1.25 each available from Hall Porter. Ladies welcome.

13 MONDAY

- Music “The Love for Three Oranges” by Prokofieff, an opera presented for children by the Opera School, Royal Conservatory of Music. MacMillan Theatre, Edward Johnson Building. Dec. 13 to 17 at 4.30 p.m. Saturday, the 18th, at 2.30 p.m. Children \$1; adults \$2.
- Hart House-CBC University Celebrity Series Concert. Galina Vishnevskaya, soprano; Mstislav Rostropovich, accompanist. Great Hall. 8.20 sharp. Tickets available from Hall Porter. Ladies welcome.

14 TUESDAY

- French Film “Le Bateau Ivre”. Room 104, U.C. 1.10 and 1.35 p.m. Repeated Wednesday.

15 WEDNESDAY

- Lecture School of Graduate Studies, Department of Fine Art. “The Bayeux Tapestry, Its Historical Authenticity and Its Relationship with Secular Epic Poetry”. Dr. C. R. Dodwell, Librarian, Trinity College, Cambridge. Room 2117 Sidney Smith Hall. 4 p.m.
- Seminar Institute of Computer Science. “Recent Developments in Information Theory”. Prof. Samuel Kotz. Room 101, McLennan Laboratory. 4 p.m.

16 THURSDAY

- Lecture “Malcolm Lowry: The Man and the Poet”. Prof. Earle Birney. Scarborough College, Old Biology Building. 8 p.m.
- Music Faculty of Music Ensemble Concert. Concert Hall, Edward Johnson Building. 2 p.m.
- Poetry Reading Hart House Art Gallery. Ladies welcome. 1.15 p.m.

17 FRIDAY

- Luncheon Faculty Club Christmas Luncheon for members only. 12 o'clock noon to 2 p.m.
- Music Royal Conservatory of Music Intermediate Orchestra Concert directed by Jack Montague. Concert Hall, Edward Johnson Building. 8.15 p.m. Free.

31 FRIDAY

- Balls Faculty Club New Year's Eve Ball. Buffet Supper 8-10 p.m. Dancing 9.30 p.m.-1.30 a.m. David Black's Orchestra. Early reservations advisable.
- Hart House New Year's Eve Ball. Three bands; midnight supper. Tickets \$12 per couple. Available from Hall Porter.

Exhibitions

"In a Canadian Attic". A survey of Canadiana—paintings, furniture, china, glass, coins, weapons and household implements—at the Sigmund Samuel Canadiana Building of the ROM, 14 Queen's Park Crescent W. Closed Mondays.

"40 Years of Fabigan". A special exhibition of posters by Hans Fabigan, one of Europe's most influential designers. Dec. 3-Jan. 30 in ROM's Exhibition Hall.

"Watercolours by William Armstrong". The face of Ontario a century ago, as set down by an artist, engineer and onetime drawing master at the old Toronto Model School. At the Sigmund Samuel Canadiana Building. Until Jan. 11.

"Children's Art". A special Christmas exhibition of work by the Museum Saturday

Morning Club. In the lower rotunda until Jan. 3.

"People and Places". Special photographic exhibition by Reg Innell of the Toronto Daily Star. ROM Lower rotunda until Dec. 13.

Paintings by Theresa Cosgrove will be on view in Alumni Hall, Victoria College, from Nov. 15 to Dec. 13.

Dorset Camp drawings and paintings, selected from work done in September by architecture students will be on exhibition in the School of Architecture, 230 College St., Dec. 2-13.

Four Man Show in Hart House Art Gallery. Open daily from 10 a.m. to 10 p.m. Weekends: 2 to 5 p.m. Ladies: 2 to 5 p.m. Until Dec. 18.

Canadian Association for American Studies

The first annual meeting of the Canadian Association for American Studies, which was founded in Montreal in October 1964, was held at Victoria College last Oct. 6 and at Glendon College, York University, on Oct. 7.

First President of the Association is Prof. Geraint N. D. Evans of McGill, who was instrumental in establishing the association from among teachers of university courses in subjects having to do with the United States or Canadian-American relations.

The program arranged by the Secretary, Prof. Peter Buitenhuis of Victoria College,

included papers by Thomas Condon, New Brunswick; Michael Millgate, York; John E. Kersell, McMaster; M. J. Boote, Trent; Alastair M. Taylor, Queen's; and John Macdonald, Alberta. Also taking part in the meetings were Gerald Craig, Toronto; Darrett Rutman, Minnesota; Hugo McPherson, University College, Toronto; Cushing Strout, Cornell; Henry Mayo, Western Ontario; Paul Fox, Toronto; R. E. Murphy, Clark University, Worcester, Mass.; John H. Thompson, Syracuse; John Saywell, York, and Frederick Rudolph, Williams College.

Appointments and Promotions

Arts and Science

PROF. VINCENT W. BLADEN will retire as Dean of the Faculty of Arts and Science effective next July.

Although University rules prevent Dean Bladen from heading an academic department after the age of 65, he will carry on as a Professor in the Department of Political Economy. He hopes to spend about half of his time teaching at Scarborough College.

Despite his heavy responsibility for the University's largest faculty, the Dean has found time to act as a one-man Royal Commission investigating the Canadian automobile industry, and to preside over the Committee appointed by the Association of Canadian Universities and Colleges to examine and make recommendations on the financing of higher education in Canada. The report of the committee has just been published. "If the Bladen recommendations are followed," Dr. Bissell said recently, "we shall finally take our place among the fully developed nations".

PROF. A. D. ALLEN, who succeeds Dean Bladen next July 1, was appointed Associate Dean in 1964. He had joined the Department of Chemistry as assistant professor in 1959 after two years as research chemist with the International Nickel Company at Copper Cliff, Ontario.

On completion of training in South Africa (placing first in final standings at navigation, bombing, and gunnery schools), Professor Allen was commissioned Pilot Officer, R.A.F., in 1940. "The wartime story", he says, "was fairly commonplace, but it was a large chunk of my life". The fact is that by the end of the war he was officer in charge of navigational training for Coastal Command and went on to spend a year with the Air Ministry before entering University College, London, in 1946. He graduated B.Sc. (Chemistry) with first class

honours in 1950 and obtained his Ph.D. in Physical Organic Chemistry in 1953. He moved to Canada in 1957, after lecturing in chemistry at University College.

Dr. Allen's specialty is inorganic chemistry. His particular interest is indicated by the award of a Petroleum Research Fund research grant of \$10,000 for the investigation of organo-transition metal systems, by the American Chemical Society. In 1963-64 he was Chairman, Inorganic Subject Division, Chemical Institute of Canada. He is the author of twenty-two scientific publications. His elder daughter is a General Science graduate of U of T; his elder son is in third year Biological and Medical Sciences.

Applied Science and Engineering

DR. JAMES MILTON HAM, Professor and Head of the University's Department of Electrical Engineering, will succeed Dr. ROLAND R. McLAUGHLIN as Dean of the Faculty of Applied Science and Engineering on July 1.

Dr. McLaughlin, prevented by University regulations from heading an academic department after the age of 65, will continue on staff as a senior adviser to the President in the area of long-range planning.

Dean of the University's second largest faculty since 1954, Dr. McLaughlin was born in Toronto, March 16, 1901. He went to Rosedale Public School and later matriculated with honours from St. Andrew's College. He joined the Chemical Engineering course at U of T in 1918 and graduated with honours four years later. After gaining his M.A.Sc. in 1923 he went into industry and his first task was to set up an American factory for Canada Dry Ginger Ale in New York. Roland McLaughlin returned to Varsity in 1924 and gained his M.A. and Ph.D.

After a brief spell in London, Eng. in the Lister Institute of Preventive Medicine as a Grocers' Company Research Scholar, he joined the Department of Chemical Engineering of the University of Toronto as Assistant Professor in 1931. He became Associate Professor in 1939 and Professor in 1943. The same year, he was elected first President of the Chemical Institute of Canada.

Dean McLaughlin became head of the Department of Chemical Engineering of the University of Toronto in 1946 and in 1954 was appointed Dean of the Faculty of Applied Science and Engineering. His many honours since then included the Montreal Medal of the Chemical Institute of Canada, for service to the profession of chemistry in Canada, and the Society of Chemical Industry (Canada) Medal, which he received last year.

In 1961, Dean McLaughlin toured India under the auspices of the Colombo Plan to advise the Indian government on the establishment and running of engineering colleges and the furtherance of this project has been one of his special interests ever since. As administrative and extra-curricular duties piled up, Dr. McLaughlin always insisted on maintaining continuing interest in research—a proof of which can be seen in 15 published papers that bear his name. Many of these are in the field of organic chemistry, which remains one of his special interests.

Roland McLaughlin married Margery McLay, daughter of Professor and Mrs. W. S. W. McLay, in 1925. Their daughter Julia Eleanor is a U of T (U.C.) B.A. and later secured her Diploma in Physical and Occupational Therapy. Dr. McLaughlin was a keen hockey and tennis player and likes to sail a dinghy. He plays the piano and enjoys reading history when he has the time.

James Ham was born Sept. 21, 1920, in the village of Coboconk, 100 miles north of Toronto. From a one-room public school he graduated to West Toronto's Runnymede Collegiate and then joined the University of Toronto's Electrical Engineering course in 1939. In gaining his Bachelor of Applied Science degree four years later he obtained the highest marks ever awarded in the Faculty of Applied Science and Engineering. (They've been tied once). He also gained the Jenkins Scholarship, the Association of Professional Engineers of Ontario Scholarship, the Engineering Institute of Canada Prize and the British

Association for the Advancement of Science Medal.

Jim Ham spent the rest of the war with the Royal Canadian Navy and then returned to U of T to be lecturer and housemaster, Ajax Division (Veterans' Rehabilitation) 1945–46. He then studied at the Massachusetts Institute of Technology for six years, receiving his S.M. degree in 1947 and his Sc.D. in 1952, whilst holding several research fellowships. He designed and developed a combined analogue-digital computer during this period and in 1951 was appointed Assistant Professor of Electrical Engineering at M.I.T.

Dr. Ham returned to Toronto in 1952 to become Associate Professor of Electrical Engineering, in charge of teaching and research in feedback control systems, an area of study that is vital to automation and automatic control. He quickly became a consultant to various companies engaged in processing.

In 1959, Dr. Ham was appointed Professor of Electrical Engineering and at the same time became founding Chairman of the Associate Committee on Automatic Control of the National Research Council of Canada. He was named Head of the Department of Electrical Engineering in 1964.

While on sabbatical leave in Cambridge, Eng., in 1960, Prof. Ham made a one-month tour of the U.S.S.R. Other journeys have taken him around India, where he was a staff member of the World University Service International Seminar in 1953. Subsequently, he became Chairman of Friendly Relations with Overseas Students and from 1955–57 was staff representative on the Students' Administrative Council. He was chairman of the House Committee of Hart House, 1956–59, and has always shown keen interest in the Student Christian Movement.

Dr. Ham is a keen skier and likes to sail a 14ft. international dinghy—"one of those spirited young pups". He is fond of walking in mountain country and, with his wife Mary, daughter of Mr. and Mrs. A. W. Augustine of Kitchener, collects pottery and stone ware. They have three young children, Peter, Martha and Jane.

Dr. Ham is the author of many scientific publications, particularly on the subject of automatic control. "Scientific Bases of Electrical Engineering", a text that he wrote jointly with Dr. Gordon Slemon of U of T, is widely used throughout North America and elsewhere.

Scarborough College

The academic structure of Scarborough College has been altered and strengthened.

Dr. W. E. Beckel has become Dean of the College, and Prof. S. J. Colman Associate Dean.

Dr. Beckel had been formerly named as Dean of Science, while Prof. Colman had been named as Associate Dean of Arts, indicating some separation in their functions and responsibilities. Under the new arrangement the two Deans will work in close collaboration, although Dr. Beckel will normally attend in the first place to matters affecting the sciences, while Prof. Colman will attend to matters affecting the humanities and social sciences.

Dean Beckel, who is also Professor of Zoology, is already well known to the University.

Biographical data about Dean Colman, who took up his duties in July of this year, appeared in the October Bulletin.

Royal Ontario Museum

Peter Swann, Curator of Eastern Art at the Ashmolean Museum, Oxford University, will succeed Dr. W. E. Swinton as Director of the Museum next July 1.

Mr. Swann is an official adviser on eastern art to the French government, and was recently retained by Princeton University to advise on the development of its museum. He has been editor of *Oriental Art* for ten years. He has worked closely with physical scientists at Oxford on the scientific examination of antiquities, a field in which the ROM plans to extend.

Mr. Swann left studies at Oxford to join the Royal Navy. He studied Japanese and became head of an Anglo-American naval intelligence translation bureau in Washington.

After the war he returned to Oxford and earned first class honours in Chinese. He joined the Indian Institute there and helped reorganize it as a museum of Eastern Art, later becoming Curator.

Mr. Swann is in charge of fund-raising and planning for a building extension to St. Edmund's Hall at Oxford, and is a Professorial Fellow of the college.

He is author of *Art in China, Korea and Japan*, *Chinese Painting*, and *An Introduction to the Arts of Japan*, among other publications.

He is married and has five children. One of his hobbies is building houses—he has built three so far in Oxford.

Dr. Swinton will remain on the University staff as Professor in a new field of study, the History of Science. He was appointed Director of the Museum following two years as head of its Life Sciences division and 35 years in the British Museum of Natural History, where he earned a reputation as one of the world's foremost authorities on dinosaurs.

During the two years he has been Director, the Museum's internal organization has been streamlined, curatorial salaries have been raised, and field work and publications by staff have increased. Annual attendance has risen by more than 25 per cent each year, to nearly 740,000 visitors.

Additional Changes

Donald G. Creighton has been appointed The Sir John A. Macdonald Professor of History. The new title honours a distinguished scholar at an appropriate time in history, the nearing of Canada's Centennial. Dr. Creighton has written extensively on Confederation and his two-volume biography of Sir John A. Macdonald, "The Young Politician" and "The Old Chieftain", won Governor-General's medals for academic non-fiction in both 1952 and 1955. Last year he was one of two writers, each of whom received the first Canada Council's \$15,000 Molson Prizes, for "service to Canada that will enrich the cultural or intellectual heritage of the nation".

M. W. Bannan has been appointed Associate Chairman of the Department of Botany.

In the School of Business, A. E. Paull has been appointed Professor, and has also been appointed to the Department of Mathematics staff. Dr. Paull has come from the Kimberly-Clark Corporation, Neenah, Wisconsin, where he was Director of Operations Research in the Consumer Marketing Research Department. Formerly he was with Abitibi Power and Paper Co. Ltd., where he headed the Department of Statistical Research, and with the Grain Research Laboratory in Winnipeg. He earned his B.A. at the University of Manitoba, and after four years with the RCAF as Radar Officer overseas, his Ph.D. in 1948 at the University of North Carolina.

In the School of Social Work Benjamin Schlesinger has been promoted to Associate Professor.

R. J. Barta has been promoted to Assistant Professor in Scarborough College and in the University Department of Italian and Hispanic Studies.

NOTES

Administration

PRESIDENT CLAUDE BISSELL attended the Association of American Universities' annual meeting in New York City, Oct. 25-27, and the Association of Universities and Colleges of Canada's annual meeting in Vancouver, Oct. 27-30. Dr. Bissell also went to New York for the annual meeting of the Carnegie Foundation for the Advancement of Teaching, Nov. 16 and 17.

VICE-PROVOST J. H. SWORD addressed Convocation at the Commencement Exercises of United College, Winnipeg, on Oct. 6.

D. J. REID was elected President of the Public School Trustees' Association of Ontario at the annual meeting held in Windsor on Oct. 23.

Arts and Science

PROF. R. G. BARRADAS delivered an invited paper entitled "Electrochemical Adsorption of Furfurylamines and Related Organic Molecules and Ions at the Mercury-Electrolyte Interface" at a Special Symposium on Corrosion Inhibition by Organic Compounds, 128th Annual Meeting of the Electrochemical Society in Buffalo, Oct. 13. He also presented a paper entitled, "Polarographic Studies of the Electrical Double Layer" at the Symposium on Electrochemistry and Physics of Surfaces, organized by the Ontario-Quebec Section of the Electrochemical Society at the Northern Electric Research and Development Laboratories in Ottawa, Oct. 29.

PROF. A. G. BROOK presented a paper entitled, "Reactions and Rearrangements of Carbon-functional Organosilicon Compounds" at the First International Symposium on Organosilicon Chemistry in Prague, Czechoslovakia, Sept. 6-9. He also presented a Seminar entitled, "Chemical and Spectral Behaviour of Ketones Containing Silicon or Germanium" at McMaster University, Nov. 4.

PROF. J. M. DECKERS attended the Gordon Research Conference on Molecular Beams and Molecular Scattering Processes where he reported on "Reactive Scattering between an N_2O Supersonic Molecular Beam and Stagnant CO Gas" at New Hampton, N.H. in June; attended the 6th U.S. Air Force Contractors' Meeting and presented papers entitled, "Influence of

Pressure on the Intensity of Emission in Flame Spectra" and "Chemical Reactions in Electrical Discharges" in New York in September; attended the Canadian Symposium on Plasma Physics and presented a paper entitled, "Inelastic and Reactive Collision in the Positive Column of DC Flow Discharge Through Oxygen" at the National Research Council in Ottawa in October.

PROF. M. J. DIGNAM gave a lecture on "Transfer Properties of Anodic Oxide Films" to the Chemistry and Metallurgy Division of Atomic Energy of Canada Limited in Chalk River, Oct. 28; attended the Symposium on Electrochemistry and Physics of Surfaces, organized by the Ontario-Quebec Section of the Electrochemical Society at the Northern Electric Research and Development Laboratories, Ottawa, Oct. 29.

PROF. J. E. DOVE attended the Fifth Shock Tube Symposium sponsored by the Division of Fluid Dynamics of the American Physical Society and held at the U.S. Naval Ordnance Laboratory, White Oak, Silver Spring, Maryland on 28-30 April. His paper entitled, "Data Display and Recording Apparatus for Mass Spectrometric Study of Chemical Reactions in Shock Waves in Gases" was presented at this meeting. He also took part in a meeting sponsored by the Office of Naval Research and held at the Mid-west Research Institute, May 6-7, on "High Pressure Gas Sampling". On May 30 he gave a talk to a joint meeting in Montreal of the Combustion Institute and the Chemical Institute of Canada on "Mechanisms of Propagation of Near-Limit Gas Detonations".

PROF. J. E. GUILLET was Chairman of the Symposium on the Degradation of Organic Polymers and Coatings held at the National Research Council in Ottawa, October 4; gave a lecture on "Application of Gas Chromatography to the Analysis of Polymeric Materials" to the Canadian Manufacturers of Chemical Specialties Association in Toronto, Nov. 3.

PROF. J. C. POLANYI gave a lecture entitled, "Infrared Luminescence and Energy Transfer" at a Scientific Session in conjunction with the opening of the E. W. R. Steacie Building for Chemistry at Carleton University on Oct. 22.

PROF. PETER YATES gave lectures on "Facets of the Chemistry of Aliphatic Diazo Compounds", at the Universities of

Minnesota, Nebraska and Texas and the Colorado State University, April 12-23, (under the auspices of the Foreign Visiting Scientist Program, American Chemical Society). During May 12-27 he lectured on "Neo-Classical Organic Chemistry", "Recent Work on Organic Photochemistry", and "Organic Reactions in Concentrated Sulfuric Acid: Some Oxacarbonium Ions" at the University of Michigan, and Michigan State, Notre Dame, Wayne State, Bowling Green State and Toledo Universities, and other local sections of the American Chemical Society in Michigan and Ohio (as a tour speaker of the American Chemical Society). He talked on "Lac," at the Sixth Annual Medicinal Chemistry Symposium on "Chemistry of Natural Products", State University of New York at Buffalo on June 5, and on "Dihydrofuranone Chemistry" at the Gordon Research Conference on the "Chemistry of Heterocyclic Compounds" in Tilton, N.H. on Aug. 23.

Colloquia have been given in the Department of Chemistry under the auspices of the School of Graduate Studies, by the following recent visitors: DR. H. M. GLADNEY, I.B.M. Research Laboratory, San Jose, California; PROF. E. L. ELIEL, University of Notre Dame; PROF. W. L. FITE, University of Pittsburgh; PROF. L. M. DORFMAN, Ohio State University; PROF. H. C. CLARK, and PROF. J. F. KING, University of Western Ontario.

PROF. C. T. MOREY judged the Western Fair Art Show in London, Ontario. A painting by Mr. Morey has been accepted in the Royal Canadian Academy show at the Hamilton Art Gallery. He gave a lecture to the Oshawa Lyceum Club on Nov. 8 on "Problems in Looking at Pictures".

PROF. A. P. THORNTON, who has been elected to the Smuts Fellowship in Commonwealth Studies at the University of Cambridge for 1965-66, has also been elected to the 1965-66 Commonwealth Fellowship at St. John's College, Cambridge, and will take up residence there from January through August, 1966. While in the U.K., Prof. Thornton will fulfil lecturing engagements at the Universities of Sussex, East Anglia and York.

PROF. A. AHMAD gave a lecture on "Mughal Rule" at the Seminar of the Committee on Southern Asian Studies, University of Chicago, held in Chattanooga, Nov. 11 and 12.

PROF. G. M. WICKENS attended a meeting of the East-West Major Project Com-

mittee of the Canadian National Commission for UNESCO, held in Ottawa, Oct. 20.

PROF. M. Q. BAIG spoke to the Muslim Society of Toronto on "Shaikhayn: Hazrat Abu Bakr and Hazrat Umar" on Nov. 14.

PROF. E. BIRNBAUM spoke on "Islam and Judaism" to the Toronto Chapter of the Association of Orthodox Jewish Scientists on Nov. 15.

University of Toronto Conference on Particle Physics, An International Conference on "Symmetries in Elementary Particle Physics" was held at the University of Toronto on Oct. 22 and 23. This conference was sponsored by the Canadian Association of Physicists and the University of Toronto. There were about one hundred delegates from the United States, Europe and Canada. Invited papers were presented by the following speakers: PROF. D. B. LICHTENBERG, Indiana University; PROF. T. MAHANTAPPA, Pennsylvania University; PROF. J. W. MOFFAT, University of Toronto; PROF. S. OKUBO, University of Rochester; PROF. L. S. O'RAIFEARTAIGH, Syracuse University; PROF. S. P. ROSEN, Purdue University; PROF. E. C. G. SUDARSHAN, Syracuse University; and PROF. G. YODH, University of Maryland.

PROF. J. M. DANIELS attended the Autumn Meeting of the American Physical Society and presented a paper entitled " $(n, n'\gamma)$ Reactions with 2.8-MeV Neutrons on Cobalt and Copper, using a Lithium-drifted Germanium Detector".

PROF. R. LIST was the Official Canadian Delegate to the International Conference on Cloud Physics held in Tokyo and Sapporo in May. He presented a paper entitled "Components Contributing to the Total Heat Exchange of Growing Spherical Hailstones", and delivered a main lecture at the Sapporo Seminar on "The Mechanism of Hailstone Formation". From August 2-6 he was Consultant at the National Center of Atmospheric Research in Boulder, Colorado, and gave two Seminar lectures entitled "Research with Hail Tunnels" and "Simulation of Physical Processes Occurring in Clouds". He visited the Institute of Atmospheric Physics, South Dakota School of Mines, Rapid City, S.D. and gave a lecture on "The Physics of Hail Formation". In September he attended the First National Symposium on Hail Suppression, Dillon, Colorado and presented an invited paper on "Hail Research and Hail Prevention in Switzerland".

PROF. A. D. MAY attended the Conference on Physics of Quantum Electronics

in San Juan, Puerto Rico, on June 28-30; he presented a paper entitled "Rayleigh Scattering from Low Density Gases".

PROF. J. W. MOFFAT presented an invited paper entitled "Field Theoretic Basis of Broken Symmetries" at the Conference on Symmetries in Particle Physics held at the University on Oct. 22 and 23.

PROF. B. P. STOICHEFF presented a paper on "Induced Absorption Spectra at Optical Frequencies" at the Physics of Quantum Electronics Conference in San Juan, Puerto Rico, on June 30. He attended the 8th European Spectroscopy Conference held in August in Copenhagen, Denmark, and presented a plenary lecture on "Molecular Spectroscopy with Optical Masers". On Oct. 23 he visited the Undergraduate Physics Conference at McGill University and spoke about "Lasers and Interaction of High Intensity Radiation with Matter". On Oct. 29 he gave a lecture on "Recent Experiments with Lasers" at the University of Pennsylvania.

PROF. J. VAN KRANENDONK gave a series of lectures on the "Theory of Spin-Lattice Coupling Effects" at the Solid State Conference of the Summer Institute for Theoretical Physics, held in June at the University of Colorado, Boulder. He attended the Undergraduate Physics Conference in Montreal on Oct. 23 and 24 and gave an invited lecture entitled "Spontaneous, Stimulated and Super Radiation".

PROF. H. L. WELSH gave a seminar entitled "Recent Spectroscopic Investigations of Hydrogen at Low Temperatures" in the Division of Pure Physics of the National Research Council, Ottawa, on Oct. 29.

In the Department of Physics, Seminars were recently given by the following visitors: SIR HARRIE MASSEY, F.R.S., University College, London, England; PROFESSOR A. JAVAN, Massachusetts Institute of Technology; DR. C. E. CHASE, National Magnet Laboratory, Massachusetts Institute of Technology; DR. A. J. ROBERT, Numerical Weather Prediction Research Group, Meteorological Service of Canada, Montreal; PROFESSOR L. S. KISLINGER, Western Reserve University, Cleveland, Ohio; DR. E. R. RAE, AERE Harwell and Rensselaer Polytechnic Institute; and PROFESSOR Y. NOGAMI, McMaster University.

The series of six radio talks (The Massey Lectures) given by PROF. C. B. MACPHERSON, has won for the Canadian Broadcasting Corporation the Governor of the City of Tokyo Prize and \$1,000. The con-

test for excellence in the adult education radio program category of the Japan Prize was held for the first time this year and is sponsored by the Japanese Government's broadcasting corporation (NHK). The lectures have already been published by the CBC under the title, "The Real World of Democracy" and are to be published by the Clarendon Press, Oxford, in January, 1966, for distribution outside Canada.

PROF. H. G. SKILLING gave a speech on the "Restoration of European Unity" at Trinity College, Hartford, Conn. on Oct. 28.

PROF. KARL F. HELLEINER's paper on "Smallpox and Population Trends in the Eighteenth Century" prepared for delivery at the Third International Economic History Conference in Munich, was read for him by PROF. MELVILLE H. WATKINS. PROF. HELLEINER conducted a graduate seminar in European Economic History in the Summer Session of the University of Colorado.

PROF. D. BERLYNE, was elected a Fellow of the Division of Educational Psychology of the American Psychological Association; at the Psychonomics Society Annual Meeting, Oct. 14, in Chicago, he delivered a paper on, "Paired-associate Learning and the Timing of Arousal".

PROF. B. B. MURDOCK also addressed the Psychonomics Society in Chicago. His topic was, "Auditory and Visual Stores in Short-term Memory".

PROF. C. R. MYERS attended and participated in a conference workshop on the training program of the U.S. Federal Agency for International Development. The conference was sponsored by the Bureau of Social Science Research and was held in Washington, D.C., October 13-17.

PROF. D. WATSON addressed a colloquium at Vanderbilt University, Oct. 28, on "Anxiety and the Interruption of Behavior".

COLONEL LAURENS VAN DER POST, well-known English author, lectured on Nov. 12 in the Department of Slavic Studies on "Russia and Russian Literature" under the auspices of the School of Graduate Studies.

DR. C. S. CHURCHER acted as consultant for three weeks this summer to the Geological Survey of Canada in southern Alberta and Saskatchewan, where he identified Pleistocene mammals. Dr. Churcher also attended, as the Canadian delegate, the Field Conference of the VIIth International Congress on Quaternary Research in Boulder.

DR. C. H. ERIKSEN delivered a paper on aspects of regional pond limnology

while attending the May meetings of the Southern California Academy.

DRS. ERIKSEN, H. H. HARVEY, R. R. LANGFORD and F. H. RICLER attended meetings of the XVth International Limnological Association Congress, held in Warsaw, Poland in September, where they each presented a paper.

DR. JOHN MACHIN attended the International meeting of the Society of Experimental Biologists in Copenhagen in August and delivered a paper.

DR. T. S. PARSONS attended the VIIIth International Congress of Anatomists in Wiesbaden, West Germany, as a delegate of the Society of Vertebrate Paleontology, during the summer.

DR. F. A. URQUHART presented a lecture on "Synergistic Complexes in Insect Migration Studies" at Queen's University, last March.

University College

On Nov. 5, PROF. G. BAGNANI lectured at Dalhousie University on "Dante's Message for the Modern World".

On Nov. 1, R. M. OGILVIE lectured on "Agricola's Exploration of Northern Britain" at Harvard. He also gave a Seminar lecture on the text of Tacitus' *Agricola* on the same day.

On Nov. 11 PROF. D. F. S. THOMSON gave an address to The Sir Walter Scott Club of Toronto, on "Scott's Influence on Some Foreign Literatures".

PROF. V. E. GRAHAM gave a paper on "Editing French Lyric Poetry of the 16th Century" at the Conference on Editorial Problems, held Oct. 15 and 16.

PROF. P. R. LEON gave two lectures on "Applied Linguistics and the Teaching of French Pronunciation" to Scarborough Secondary School Teachers of French on Oct. 14 and 21.

At the 32nd meeting of the Association canadienne-française pour l'Avancement de la Science in Montreal on Nov. 6, PROF. J.-CL. CHEVALIER read a paper on "Le Langage des enfants de six ans: Résultat d'une enquête conduite dans l'Académie de Lille"; and PROF. P. R. LEON gave a communication on "Remarques sur la valeur phonologique, phonétique et phonostylistique du *e* caduc en français".

Victoria College

PROF. NORTHROP FRYE was one of three speakers at the Centennial Conference on the Humanities sponsored by the University of Kentucky on Oct. 22-23, and spoke

on "Speculation and Concern". He also lectured at the University of Georgia on Oct. 25.

PROF. JOHN ROBSON spoke to the book group at Temple Sinai on Oct. 29. He took part in the Burke symposium at the University of Detroit on Nov. 11-12.

St. Michael's College

SISTER CORINNE attended the meeting of the Ontario Modern Language Teachers' Association in London on Oct. 2.

PROF. L. S. DEWART has been elected a member of the Société Européenne de Culture.

PROF. P. B. BILANIUK attended the XIV Conference of the Shevchenko Scientific Society in Canada which was held in Toronto Oct. 9-10, and delivered a lecture entitled "Some Theological Remarks Concerning Materialism and the Mystery of Matter".

PROF. J. A. RAFTIS chaired and gave a commentary at a joint session of the Canadian Historical Association and the Canadian Political Science Association at Vancouver on June 10 and on June 11 lectured on "Peasant Mobility and Freedom in Mediaeval England" to the Canadian Historical Association. Prof. Raftis read a paper "Rediscovering the Third Estate" at the Midwest Medieval History Conference at Chicago on Oct. 23.

Scarborough College

PROF. KARL S. GUTHKE presented a public lecture at the University of Texas at Houston on Nov. 17 on "Nihilism and Modern Literature: The Case of Gerhart Hauptmann". Last April he lectured at the University of Oregon, Eugene, on "Räuber Moors Gluck und Ende".

Knox College

REVEREND GEORGE DOUGLAS, Librarian of Knox College, after fulfilling the requirements in the School of Library Service, Columbia University, was awarded the degree of Master of Science with Honours on Oct. 27.

Law

PROF. ALBERT ABEL attended the Annual Conference of the Institute of Public Administration in Winnipeg in September.

PROF. J. BRUCE DUNLOP spoke to the Middlesex County Law Association on Oct. 16 on "Torts Relating to Infants". He was also Chairman of a panel discussion on "Some Aspects of the Law Relating to

Infants" organized by the same Association on Oct. 30.

On Nov. 12 PROF. BERNARD GREEN participated in a panel discussion on "Changing Attitude to Extra-Marital Parenthood and Illegitimacy and Their Reflection in Law and Public Practice" conducted by the Conference of Superintendents and Representatives of Boards of Directors of Homes for Unmarried Mothers which was held at the United Church House, Toronto. He also attended a Conference in Niagara Falls, Nov. 12-13, organized by the Canadian Mental Health Association and took part in a discussion on "After Care for the Mentally Ill".

PROF. J. B. MILNER visited the School of Law at the University of Buffalo on Oct. 15, where he addressed an audience of students, faculty and city officials on "Metropolitan Toronto Planning Organization". He also attended a session of the meeting of the Canadian Association of Graduate Schools in Vancouver on Oct. 26 on behalf of the Board of Directors of the Canadian Council on Urban and Regional Research.

The following members of the staff participated in the 3rd Annual Conference on Law and World Affairs, held at the Faculty of Law on Nov. 18 and 19: PROF. M. L. FRIEDLAND (Chairman of the Panel on "Investor Protection in Ontario"), PROF. D. J. SHERBANIUK (Chairman of the Panel on "Foreign Control of Canadian Business"), and PROF. JOHN WILLIS (Chairman of the Panel on "Government Participation in Business Activity").

Medicine

PROF. G. E. CONNELL presented a paper entitled "Enzymes Which Act on Gamma-glutamyl Peptides" at McGill University on Oct. 25.

PROF. T. HOFMANN presented a paper entitled "Peptidases in Penicillia and Aspergilli and the Activation of Trypsinogen" at Queen's University on Oct. 18.

PROF. J. F. MANERY participated in a symposium on "Biophysics and Physical Chemistry of Connective Tissue" held in Stowe, Vt. Oct. 10-16, and presented two papers, one entitled "Effect of Calcium on Cell Membrane" and the other "Connective Tissue Electrolytes". Dr. Manery also attended the A. Baird Hastings Symposium on "Metabolic Regulation in Heterogeneous Systems" at the University of Michigan, Oct. 23-24.

DR. W. B. SPAULDING, Associate Professor of Medicine and Senior Physician at Toronto General Hospital in charge of the O.P.D. Medical Clinic, has been appointed Professor of Medicine and Associate Dean of the Faculty of Medicine, McMaster University. On Oct. 27 Dr. Spaulding addressed the Bruce County Medical Society in Paisley, Ontario on the topic "Diabetes Mellitus—Diagnosis and Treatment".

DR. M. A. OGYZLO was a speaker at the annual meeting of the Canadian Pharmaceutical Manufacturers Association, affiliated with the Canadian Medical Association at St. Adele, Quebec, Sept. 23, on the subject of "Metabolic Aspects of Rheumatic Diseases".

DR. E. A. MCCULLOCH conducted a seminar at the Medical Division of the Brookhaven National Laboratory on Oct. 12. The title was "Cellular Factors in Recovery after Radiation".

DR. CALVIN EZRIN took part in the 58th Annual Meeting of the College of Physicians and Surgeons of Saskatchewan, speaking on the subject "Gynecology for the Internist". He also took part in a panel discussion on "Endocrinological Topics". On Oct. 20 he lectured at the University of Saskatchewan, for the Department of Medicine, on the "Pathogenesis of Graves' Disease".

On Aug. 24 DR. C. R. WOOLF gave a lecture at the D.V.A. Hospital, New Orleans, on the subject, "The Treatment of Respiratory Failure". On Aug. 25 he was guest speaker at the Southern Thoracic Society and spoke on the subject, "The Role of a Respiratory Failure Unit". On Oct. 21 Dr. Woolf spoke at the staff meeting, New Mount Sinai Hospital on "Treatment of Acute Respiratory Failure", and on Oct. 29 at the Ontario Thoracic Society, Toronto, on "The Evaluation and Use of an Oxygen Micro-electrode".

Applied Science and Engineering

DR. C. H. MILLER and R. P. HENRY attended the National Research Council Symposium on Plasma Physics in Ottawa on Oct. 13-15, and presented papers entitled, "Concepts of a Plasma-Driven Vacuum Pump" and "Geometry and Ion-Slip Effects in Hall Current Plasma Accelerators".

PROF. W. C. WINEGARD presented an invited paper "Structure of Binary and

Ternary Eutectics" at the Annual A.I.M.E. Conference in Detroit, October 17th, 1965.

PROF. WINEGARD and C. BEINGESSNER presented a paper "Grain Growth in Metals" at the Annual A.I.M.E. Conference in Detroit.

PROF. V. G. SMITH has been elected a Fellow of the Institute of Electrical and Electronics Engineers.

PROF. GEORGE W. DICK accompanied a group of Engineering Science students on a trip to Rochester, Schenectady, Cambridge, Brookhaven and Murray Hill where they visited Kodak, G.E., M.I.T., the Brookhaven Atomic Research Station and the Bell Telephone Laboratories.

PROF. V. G. SMITH accompanied another group of fourth year Engineering Science students on a trip to Chalk River, Ottawa and Montreal where they visited institutions such as Atomic Energy of Canada, National Research Council of Canada and R.C.A. Prof. Smith also attended a meeting of the International Executive of the I.B.M. 1620 Users Group in New York, October 6 and 7. He is President of the Canadian Region.

DR. I. I. GLASS visited the USAF Aerospace Research Laboratories, Dayton, Ohio, on Oct. 25-27 to discuss hypervelocity launcher research. He also gave a lecture on "Shock Wave Phenomena on Earth and in Space". He gave an invited lecture at Cornell University, Ithaca, on "Theoretical and Experimental Corner Flows of Dissociated and Ionized Gases", on Nov. 2.

DR. G. N. PATTERSON visited the Aerospace Research Laboratories at Wright-Patterson Air Force Base, Dayton, Ohio, on Oct. 25-27, to discuss the latest information on hypervelocity launchers, drag reduction using exotic surfaces and human pilot dynamics. He presented a lecture to ARL on the subject of "The New Statistical Approach to Fluid Mechanics". He also participated in the annual meeting of the Canadian Research Management Association held in Sarnia on Nov. 1 and 2. He attended a meeting of the Technical Advisory Panel of the National Aeronautical Research Council in Ottawa on Nov. 5.

DR. H. S. RIBNER attended a meeting of the N.R.C. Associate Committee on Aerodynamics in Ottawa, Oct. 26, to consider research proposals.

DR. A. P. BERNHART visited the Civil Engineering and Town Planning Departments of the University of California, Stanford University and California Institute of

Technology to discuss and compare similar research in joint fields of interest.

DR. PHILIP H. JONES attended the Annual Meeting of the Canadian Institute on Pollution Control in Ottawa recently. During this visit Dr. Jones discussed with leading officials of the Department of National Health and Welfare plans to expand the role of the University and this Faculty in water pollution research associated with the Great Lakes.

PROF. O. J. MARSHALL attended a meeting of the Advisory Committee to the Surveys and Mapping Branch, Department of Mines and Technical Surveys, Ottawa, Oct. 21 and 22. He was appointed a member of the sub-committee on Education and Research.

PROFS. M. W. HUGGINS, G. N. J. KANI, K. MEIPOOM, J. TIMUSK and S. M. UZUMERI attended a regional meeting of the American Concrete Institute in Cleveland on Nov. 4 and 5.

PROF. J. D. BARBER is on leave of absence for the 1965-66 session. He is replacing PROF. C. A. WRENSHALL who has now returned from the Karnataka Regional Engineering College at Surathkal, South India.

PROF. ARTHUR PORTER gave the opening lecture of the McMaster School of Business Seminar for senior financial executives on "The Information Revolution" on Oct. 15. He represented the Canadian World Exhibition Corporation at the meeting of Commissioners-General in London, England, Nov. 4 and 5.

The Fifteenth Canadian Chemical Engineering Conference of the Chemical Institute of Canada was held at Laval University during the week of Oct. 22. Those attending from the Department of Chemical Engineering were DR. M. E. CHARLES, DR. R. L. HUMMEL, DR. R. LUUS, DR. W. H. RAPSON, DR. H. SAWISTOWSKI, DR. J. W. SMITH, DR. O. TRASS, D. DAWSON, DR. B. N. MURTHY, V. V. RAO, and B. O. WASMUND.

MR. DAWSON presented a paper "Mass Transfer in a Turbulent Radial Wall Jet".

DR. MORRIS WAYMAN has been named Program Chairman of the Fourth International Pulp Bleaching Conference, sponsored by the technical association of The Canadian and U.S. paper industries, to be held in Toronto in May, 1967.

DR. W. H. RAPSON delivered the 1965 R. S. Jane Memorial Award lecture on "From Laboratory Curiosity to Heavy Chemical—A Quarter Century of Chlorine

Research and Development". The award is for achievement in chemical engineering. Dr. Rapson was elected to the Executive of the Chemical Engineering Division at the same meeting.

DR. J. W. SMITH presented a paper on "The Mechanism of Wall to Fluid Heat Transfer in Particularly Fluidized Beds".

DR. R. L. HUMMEL presented a paper on "Sulfuric Acid".

DR. O. TRASS chaired a session on Mass Transfer.

PROF. D. G. ANDREWS and a group of graduate students attended the American Nuclear Society Symposium at Buffalo, Oct. 23, on the Empire State Atomic Development Associates' work in nuclear reactor development.

PROF. E. J. DAVISON presented a paper entitled "An Automatic Way of Finding Control Systems for Large Multivariable Linear Plants" at the International Federation of Automatic Control meeting held in Tokyo, Aug. 26. He also visited the University of Tokyo, the University of Kushu and various research organizations in Japan. He is Chairman of the Mathematical Study Group of the Institute of Electrical and Electronic Engineers (Toronto Section) for the year 1965-1966.

PROF. J. M. HAM attended a special conference on Sensitivity Analysis sponsored by the U.S. Air Force at the University of Illinois on Oct. 19. He contributed a paper entitled "Parameter Invariance through Non-linear Comparators" to the Allerton Conference on Circuit and System Theory held at the University of Illinois, Oct. 20-22.

PROFS. A. J. KRAVETZ and G. R. SLEMON attended a meeting of Upper New York-Ontario Section of American Society for Engineering Education at Syracuse, N.Y. Oct. 8-9. Prof. Slemmon received Western Electric Award for Excellence in Engineering Education.

PROF. W. JANISCHEWSKYJ addressed the Power Group of the Ottawa Section of the Institute of Electrical and Electronics Engineers on Oct. 19. The topic of the lecture was the "Half-wave Tuned Power Transmission".

PROFS. G. K. M. PFESTORF, W. JANISCHEWSKYJ, and G. R. SLEMON, visited the newly commissioned 735 kV System of Quebec Hydro including installation at Manicouagou, Quebec City and Montreal on Nov. 9-12.

PROF. G. SINCLAIR attended a meeting of the IEEE Education Committee in his capacity of Education Co-ordinator for the Insti-

tute, and also a meeting of the IEEE Prize Papers Committee, both meetings being held at the National Electronics Conference in Chicago, Oct. 27-29.

Food Sciences

DEAN B. A. McLAREN participated in meetings of the Advisory Council of Consumers held in Ottawa on Nov. 1 and 2 under the sponsorship of the Federal Food and Drug Directorate.

PROF. M. D. SMITH attended, on Oct. 18 and 19, a symposium on "Polyunsaturated Fatty Acids in Nutrition" sponsored by the Canadian Council on Fats and Oils and held at the National Research Council, Ottawa.

PROF. E. M. UPTON was present at the American Dietetic Association's annual meeting in Cleveland, Nov. 2-5.

PROFS. J. M. WARDLAW and M. B. PHILLIPS were in Chicago, Nov. 8-11, to attend meetings of the Western Hemisphere Nutrition Congress which was sponsored by the American Medical Association.

Education

PROF. K. I. BRAY gave a lecture-demonstration, "Bassoon Techniques" at the Fall Conference of the Ontario Music Educators' Association on Nov. 6.

DR. CLIFFORD C. PITT carried out the following speaking engagements: on Oct. 7-9, a lecture and workshop series on "Pastoral Counselling to the North Hatley, Quebec, Annual Conference of Ministers and Youth Workers; on Oct. 21 he participated in the Residential Seminar on "Measurement" in Barrie; on Oct. 29 he addressed the Council of Exceptional Children's Ontario Annual Convention in Kitchener, on "Political-Educational Considerations in the Education of Atypical Children"; on Nov. 15-18 he organized for the Ontario Psychological Association a four-day Institute on "The Psychological Effects of Brain Damage".

PROF. G. REID spoke to the biennial meeting of the Catholic Business Education Association held recently on the subject "The Professional Preparation of Teachers of Business in Ontario. Prof. Reid has been awarded the highest honour of the Canadian College of Teachers—he has been admitted as a Fellow of the College, a learned society founded in 1958 to advance the standards of teaching and to stimulate professional growth.

PROF. W. E. SAGER attended the annual convention of the Society for Motion Picture

and Television Engineers in Montreal, Nov. 1-5, in order to represent the educational viewpoint on a joint panel discussion with professional producers of educational films and television. He attended the 14th Annual convention of the Ontario Association for Curriculum Development in Sudbury, Nov. 11-13 as chairman of the group session discussing the topic "Conditions for Learning in the Classroom".

PROF. J. GLENN SCOTT addressed the Principals' and Supervisors' section of the annual convention of the Oshawa Teachers' Institute on Oct. 29. He spoke on "The Role of Supervision in the Elementary School System". Prof. Scott was guest speaker at the Nov. 17 meeting of the Wentworth Principal's Association. His address "Around the Province in Forty Days" was based on his recent status study of the Urban Elementary Public School Principal in Ontario.

PROF. MARGARET SCOTT spoke to the Library Section of the O.S.S.T.F. District 29 Professional Development Conference in Timmins, Oct. 22. She discussed the need for a flexible, curriculum-related school library program, and the use of audio-visual materials in the school library.

PROF. ALLEN TOUGH planned and led an all-day workshop for 35 teachers of "Man in Society" and a series of three workshops for teachers in the adult training centres. Recently he was elected to membership in the Commission of Professors of Adult education.

Library Science

PROFS. MARY SILVERTHORN and CATHARINE MACKENZIE attended the Fall Meeting of the School and Intermediate Libraries Section of the Ontario Library Association held at McMaster University, Oct. 16.

PROF. KATHARINE BALL participated in a panel discussion held at Waterloo University by the Ontario Resources and Technical Services Group on Oct. 30. The subject of the discussion was "How Technical Services should be taught in Library Schools."

PROFS. OLGA BISHOP, Secretary of the Canadian Association of College and University Libraries, attended Executive and Council meetings held in Vancouver, Oct. 27. She has been appointed a member of the Canadian Library Association Committee on Out-of-Print Canadian Books.

PROF. MARGARET COCKSHUTT prepared a paper on "The Seventeenth Edition of the Dewey Decimal Classification" for the meeting of the Ontario Resources and Tech-

nical Services Group held at Waterloo. The paper was presented by PROF. NANCY WILLIAMSON.

PROF. WILLIAM KURMEY has agreed to serve on the Advisory Committee on the Institute of Computer Science.

Forestry

PROFS. R. W. KENNEDY and J. L. FARRAR attended the Third Forest Biology Conference of the Technical Association of the Pulp and Paper Industry, held Nov. 1-3 in Madison, Wisconsin. Prof. Kennedy gave a paper entitled "Intra-Increment Variation and Heritability of Specific Gravity, Parallel-to-Grain Tensile Strength, Stiffness and Tracheid Length in Clonal Norway Spruce".

PROF. E. JORGENSEN addressed a meeting of the Ontario Gardeners and Florists Association on Dutch Elm Disease Control on Oct. 12. On Oct. 27 he addressed the Ontario Shade Tree Council on "Recent Advances in Dutch Elm Disease Research".

Music

PROF. JOHN WEINZWEIG's *Woodwind Quintet* was recorded by the Canadian Broadcasting Corporation International Service on Oct. 17 for foreign Broadcast and his *Barn Dance* from the ballet *Red Ear of Corn*, conducted and recorded for Columbia Records by Walter Susskind, was released during the summer.

PROF. TALIVALDIS KENIN's *Quartet for Piano and Strings* was performed on Oct. 10 in the Town Hall, New York City. Performers were Ronald Leonard and ensemble from Rochester, N.Y.

Dentistry

DR. S. WEINBERG has become a Diplomat of the American Board of Oral Surgery.

Architecture

DR. THOMAS HOWARTH spoke on Oct. 5 to the Specification Writers' Association. As Vice-President of the Association of Collegiate Schools of Architecture, Dr. Howarth attended a Board meeting in Denver, and broke his journey in order to participate in a conference on Architectural Research at the University of Michigan.

PROF. JACK DIAMOND lectured and participated in a jury at the School of Architecture, Nova Scotia Technical College, Halifax, in early November, and lectured at the Faculty of Architecture, University of Manitoba on Nov. 15.

PROF. ALLEN BERNHOLTZ addressed the Design and Planning 65 Conference at the

University of Waterloo on "The Impact of Technology on Design", on Sept. 14. The Conference is sponsored jointly by the University and the Doon School of Fine Arts. On Sept. 30 he delivered a paper to the annual meeting of the Society for Information Display in New York City on "Computer Graphics in Architecture". On Oct. 25 Prof. Bernholtz addressed students and staff of the School of Architecture, University of Manitoba, and members of the Manitoba Association of Architects, on "Computers and Design", and addressed the Waisman Ross Group 10, Architects, Winnipeg, on "A Systems Approach to the Man/Computer Partnership in Architecture". The following day he spoke on "Visual and Graphic Display Hardware: Their Role in Creative Design" to graduate students of Manitoba's Computer Science Department.

Staff involved in Exposition 1967 are PROFS. JOHN ANDREWS, W. J. MCBAIN, D. H. LEE, G. A. ROBB, ANTS ELKEN, Y. Y. JUNG, and MR. RICHARD STRONG.

Visitors to the School of Architecture this term included: Dr. Yi-Fu Tuan of the Department of Geography, University of New Mexico; Dr. A. Melamed of the Institute of Local and State Government, University of Pennsylvania; Mrs. Elizabeth Layton, Under-Secretary for Education, Royal Institute of British Architects, London; Charles Holzbog, lecturer in landscape architecture of Cambridge, Massachusetts; Prof. Fumihiko Maki, visiting critic from Tokyo at Harvard University; Sir Hugh Casson, Professor of Interior Design at the Royal College of Art, London; Paul Goodman, author and poet of New York; and Prof. Ian McHarg, Head of the Department of Landscape Architecture, University of Pennsylvania.

Social Work

PROF. D. F. BELLAMY has been appointed Executive Secretary to the Consultative Committee on Housing Policies by the Council of the City of Toronto.

PROF. GERSON DAVID presented a paper entitled "Towards a Systematization of Role Concepts: A Research Framework" at the annual meeting of the National Council on Family Relations (a United States based organization) held, for the first time in Canada, in Toronto on Oct. 22.

PROF. C. E. HENDRY was elected Honorary President of the Canadian Conference on Children and addressed the plenary session of the 2nd Conference on "Roads to Maturity: Approaches to Action" in Montreal on Nov. 3. Prof. Hendry presented a paper on

"Manpower Situation in Social Welfare" on behalf of the National Committee of Canadian Schools of Social Work to the National Council on Welfare in Ottawa on Oct. 18. He chaired the Commission Session on "Review of Manpower Needs in the Field of Social Welfare and Their Implications for the Universities" to the Association of Universities and Colleges of Canada in Vancouver on Oct. 27, and chaired the annual meeting of the National Committee of Canadian Schools of Social Work, Association of Universities and Colleges of Canada in Vancouver on Oct. 26.

PROF. M. J. KIRKPATRICK acted as a Welfare Resource person at the Canadian Conference on Children in Montreal.

PROF. B. W. LAPPIN lectured to the Toronto Branch of the Canadian Association of Social Workers on "Stages of Development of Community Organizations as a Social Work Method" on Oct. 28.

DR. J. E. LAYCOCK addressed the Annual Conference of Ontario Welfare Officers' Association on "The Proposed Canada Assistance Plan" on Aug. 22. He chaired the session on "Poverty" at the Annual Meeting of the Indian and Eskimo Association of Canada on Oct. 22.

DR. ALBERT ROSE, in his capacity as Chairman, presented the Interim Report of the Consultative Committee on Housing Policies for the City of Toronto to the Mayor and Board of Control on Oct. 15.

DR. BENJAMIN SCHLESINGER was co-chairman of arrangements for the Annual Conference of the National Council on Family Relations.

PROF. W. A. BOURKE conducted a four-week series of lectures in Hamilton on "Human Development and Behaviour" as part of the 10th Staff Training course under the auspices of the Ontario Department of Public Welfare and the Ontario Association of Children's Aid Societies.

Nursing

PROF. HELEN CARPENTER participated in a panel discussion on the "Preparation for Public Health Nursing", at a Conference of Directors of Public Health Nursing held at Vineland, Ontario. The theme of this conference was "Planning Today for Tomorrow's Public Health Nursing Services."

PROF. MARY TURNER recently addressed the Northwest Chapter of the Registered Nurses' Association on "Changes in Nursing Education."

There have been a number of visitors in the School of Nursing this fall: Mrs. Isabel

Teshea, Minister of Health for Trinidad and Tobago and Dr. L. M. Comissiong, Chief Medical Officer—Trinidad and Tobago; Miss W. V. Langford, Matron, Austin Hospital, Heidelberg, Victoria, Australia; Miss Purita Asperilla, Dean, College of Nurses, University of the East, Quezon City, Philippines; and Miss Locker de Bruyne, Netherlands Nursing Association, Denmark.

Hygiene

DR. DONALD MCLEAN presented a progress report on his encephalitis investigations to the Commission on Virus Infection of the U.S. Armed Forces Epidemiological Board in Washington on Oct. 14. He presented a paper entitled "Virus Dispersal by Water" at the annual meeting of the American Public Health Association in Chicago on Oct. 19, and one on "Natural Transmission of Powassan Virus" at the annual meeting of the American Society of Tropical Medicine and Hygiene in New Orleans on Nov. 4.

PROF. R. J. SHEPHARD and DR. ANNE-MARIE PELZER displayed the work of the Physical Fitness Unit of the Department of Physiological Hygiene at the Department of University Affairs stand at the Canadian National Exhibition, Aug. 27–28. A simple test of physical fitness was carried out on over 60 visitors to the exhibition, involving standard exercise on a bicycle ergometer, with telemetry and automatic counting of the pulse rate.

DR. A. M. FALLIS read a paper on "Attraction and Feeding of Some Simuliidae" before the American Society of Tropical Medicine and Hygiene that met Nov. 3–5 in New Orleans.

Business

PROF. J. H. G. CRISPO acted as General Chairman for the Founding Conference of the Centre for Industrial Relations on Oct. 13, 14, and 15. The theme for the Conference was "Industrial Relations in the Next Decade—Challenges and Responses." He also chaired the 4th Annual Conference for DOMTAR union and management representatives at Ste. Marguerite, Quebec, Oct. 28 and 29.

PROF. M. R. HECHT conducted two sessions on "Administration" for the Management Development Seminar of the Insurance Institute of Ontario in Toronto on Oct. 7 and 14. He also spoke to the annual convention of the Canadian Manufacturers of Chemical Specialties Association, Nov. 1 on "New Thinking on Management".

PROF. R. PRESGRAVE gave an address to the Administrative Management Society Conference, Area 5 on "Executive Development" in London, Oct. 16. He spoke to the Department of Lands and Forests, Province of Ontario, Executive Development Course on the subject of "Employee Grievances" on Nov. 2.

PROF. R. E. VOSBURGH addressed the Chemical Specialty Manufacturers Association on "A Basis for Studying Buyer Behaviour" on Oct. 20 and the Insurance Institute of Ontario on "A Behavioural Approach to Marketing" on Oct. 28.

PROF. W. R. WATERS addressed the second annual "How to Invest Show" held in Toronto on Oct. 26 on "Financing Canadian Business: Past and Prophecies."

Child Study

PROF. MILLICHAMP attended, as an invited delegate, the Conference on Children held in Montreal, Oct. 31 to Nov. 4.

PROF. MCINNES participated in the Curriculum Conference at Columbia University, Nov. 8–10.

PROF. GRAPKO attended the Invitational Conference on Elementary Education at the University of Alberta, Banff, Nov. 10–13. The conference theme was "New Developments in Elementary Education".

MRS. NAN FOSTER attended the first conference of the International Federation of Parent Education held at Brussels in June.

Computer Science

PROF. J. N. P. HUME addressed the Metropolitan Toronto Mathematics Seminar on "Computers" on Oct. 27.

PROF. T. E. HULL has been appointed chairman of the recently formed Committee on Graduate Education of the Association for Computing Machinery. He has also become a member of a new committee of the Ontario Department of Education which has been established to study the effect of computers on the high school curriculum.

In November Colloquia sponsored by the School of Graduate Studies were given by DR. JAN V. GARWICK of the Norwegian Defence Research Establishment, presently at Oak Ridge National Laboratory, Oak Ridge, Ill., on the subjects "Internal Mechanisms of a Modern ALGOL 60 Compiler" and "GARGOYLE—a Programming Language for Compiler Writing"; and by PROF. R. J. NELSON, Case Institute of Technology, Cleveland, on "Basic Problems in Automata Theory".

Connaught Medical Research Laboratories

DR. M. WALCROFT will attend an Animal Care meeting in Philadelphia from Dec. 15 to 19, where he will attend "readings" and enter into discussions on animal care and experimentation in research and medicine.

Russian and East European Studies

At a seminar recently held in the Centre talks were given by SIR WILLIAM HAYTER, Warden of New College, Oxford, former British Ambassador to the USSR, on "Peaceful Coexistence" on Sept. 29, and by Mark Gayn of the Toronto *Daily Star* on "The Challenge of Communist China".

The Library

ROBERT BLACKBURN received an Honorary Degree of Doctor of Laws at the University of Waterloo's Oct. 23 Convocation and spoke during the ceremonies opening the Arts Library there.

Placement Service

At the founding convention of the Canadian Guidance and Counselling Association at Niagara Falls, J. KENNETH BRADFORD was elected to the National Board and appointed to the Executive as Secretary-Treasurer of the Association.

Royal Ontario Museum

DR. W. E. SWINTON has been elected a Fellow of the Rochester Museum of Arts and Sciences "by reason of his distinguished contributions to the field of Museology". The award was conferred at a Convocation in Rochester, N.Y., on Nov. 5.

DR. WALTER M. TOVELL presented a paper entitled "Raised Cobble Beaches, Eastern Shore of Lake Superior" at the annual meeting of the Geological Association of Canada which was held in Winnipeg, Oct. 18-20. On Nov. 4 Dr. Tovell chaired one of the scientific sessions of the Fourth Annual Conference of the Ontario Petroleum Institute Inc., held in Toronto, Nov. 3-5.

DR. V. B. MEEN visited eight planetariums in Canada and in the United States, during the period Oct. 14-22, in connection with the planning for the Museum's new McLaughlin Planetarium. On Nov. 5 he lectured to the Buffalo Society of Natural History, on some phases of his recent studies in southeast Asia.

As Past President of the Canadian Museums Association, DR. A. D. TUSHINGHAM has been appointed head of the Association's Centennial Committee which is responsible for liaison with the Secretary of State's office and the Centennial Commission. From July 21-25, Dr. Tushingham attended the meetings of the British Museums Association in Dublin. As Associate Director of the joint British School-Royal Ontario Museum expedition excavating the Old City of Jerusalem, Dr. Tushingham was in Jerusalem, from July 7 to October 7. With the assistance of a University of Toronto Humanities and Social Sciences Research Grant, he was able to spend three days in Damascus studying Islamic pottery in the National Museum's reserve collections. On Oct. 19, he addressed the Humanities Seminar for Gifted Students held in the E. L. Crossley Secondary School, Fonthill, Ontario. During the spring of 1965, the second volume of the publication of the Jericho expedition appeared with a section by Dr. Tushingham on the Iron Age tombs discovered there. Dr. Tushingham was elected President of a new group, the Archaeological Council on Canadian Waterways (ACCWA), organized to stimulate interest in, and attempt to bring scientific archaeological methods to bear on underwater projects in Canada.

MRS. K. B. BRETT received a Humanities Research Grant for research on Indian Painted cottons of the 17th and 18th centuries made for the European market in preparation for a catalogue of the Museum's collection and that of the Victoria and Albert Museum on which she is working with JOHN IRWIN. In April and early in May she examined pieces in the Österreichisches Museum Für Angewandte Kunst, Vienna; Chateau Borély, Marseilles; Musée de l'Impression sur Étoffes, Mulhouse; textiles and documents in the Musée des Arts Decoratifs, Paris, and consulted with Mr. Irwin in London.

HAROLD B. BURNHAM has just returned from a six-week trip during which he studied museum collections in Great Britain and Europe, recording old examples of Canadian material. He attended the meetings of Centre International d'Étude des Textiles Anciens in Lyon, France, where he was re-elected a member of the Conseil de Direction, and gave a paper on the subject of textiles made and used in Canada. During these meetings, the first draft of the German version of the international vocabulary of textile terms was presented.

In July and August, DR. E. J. CROSSMAN visited museums and universities in Paris, Karlsruhe, Zürich, Prague, Halle, and London where he examined recent and fossil fishes in a study of the phylogeny of the Order Haplomi.

The Press

The following have been published by the Press since the November issue of the *Bulletin*:

A Bibliography of Higher Education in Canada, Supplement 1965. By Robin S. Harris. \$6.50

Proceedings of the 6th International Conference on Soil Mechanics and Foundation Engineering. \$100.00/3-volume set

Report of the Commission on the Financing of Higher Education in Canada. \$2.00

The Modern Mexican Essay. Edited by José Luis Martinez; translated by H. W. Hilborn. \$8.50

The Plays of T. S. Eliot. (CUP Edition). By D. E. Jones. \$1.95

The New Intelligent Man's Guide to Science. By Isaac Asimov. \$12.50

The Return of Eden: Five Essays on Milton's Epics. By Northrop Frye. \$4.95

Gemini Books: Patterns in Literary Criticism. (General Editors: Marshall McLuhan, R. J. Schoeck and Ernest Sirluck): *Shakespeare: The Tragedies*. Edited by Clifford Leech. \$6.50 cloth, \$2.45 paper; *Russian Literature and Modern English Fiction*. Edited by Donald Davie. \$5.50 cloth, \$1.95 paper; *American Drama and Its Critics*. Edited by Alan S. Downer. \$6.50 cloth,

\$2.45 paper; *Aristotle's Poetics and English Literature*. Edited by Elder Olson. \$6.50 cloth, \$2.45 paper

Richard Jefferies: A Critical Study. By W. J. Keith. \$6.00

Twelfth Night and Shakespearian Comedy. By Clifford Leech. \$3.50

The English Militia of the Eighteenth Century: The Story of a Political Issue. By J. R. Western. \$11.50

Jules Laforgue's Derniers Vers. Edited with an Introduction and Notes by Michael Collie and J. M. L'Heureux. \$5.00

The Incredible War of 1812: A Military History. By J. Mackay Hitsman. \$7.50

Science in Canada: Selections from the Speeches of Dr. E. W. R. Steacie. Edited by J. D. Babbitt. \$5.95

English Furniture and Its Setting from the Later Sixteenth to the Early Nineteenth Century. Illustrated from the Collection of the Royal Ontario Museum, University of Toronto. By Gerard Brett. \$6.50

The New-born: A Practical Guide. By J. B. J. McKendry and J. D. Bailey. \$6.50

In Defence of Canada, Volume 2: Appeasement and Rearmament. By James Eayrs. \$6.95

Other Books

Eglinton: The Election Study of a Federal Constituency. By Brian Land. Toronto: Peter Martin Associates, 1965. \$5.00 cloth; \$2.50 paper.

The Professional Teacher in Ontario. By W. T. Newnham and A. S. Nease. Ryerson Press, Toronto, July, 1965.

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